

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

C Number: C09007

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_550

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Angiectasis
		Carcinoma, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_551

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Pancreas

Ectopia

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_552

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos Angiectasis
		Hyperplasia, Focal
Skin	Mouth Mouth	Acanthosis Hyperkeratosis
Stomach		Acanthosis Hyperkeratosis
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_553

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pituitary gland		Hyperplasia, Focal
Spleen		Hematopoiesis
Stomach		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_554

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Lipoma Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts Fibroadenoma
Unspecified	Multiple Organs Nos	Hyperplasia, Nos Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_555

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Inflammation, Chronic

Lung
Lymph node
Mammary gland

Mesenteric Lymph Node

Lymphangiectasis
Cystic Ducts
Fibroadenoma

Ovary
Pituitary gland
Thyroid
Unspecified

Multiple Organs Nos

Cyst, Nos
Adenoma, Nos
Cyst, Follicular Nos
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_556

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Degeneration, Nos

Empyema

Kidney

Cornea

Inflammation, Acute Diffuse

Inflammation, Chronic

Mineralization

Liver

Metamorphosis, Fatty

Lung

Alveoli

Histiocytosis

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Erythrophagocytosis

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mesenteric Lymph Node

Pigmentation, Nos

Mammary gland

Fibroadenoma

Parathyroid gland

Hyperplasia, Nos

Salivary gland

Inflammation, Acute Diffuse

Spleen

Hemosiderosis

Stomach

Inflammation, Chronic Focal

Zymbal gland

Necrosis, Focal

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_557

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Heart

Kidney

Liver

Lung

Lymph node

Mammary gland

Pituitary gland

Spleen

Thyroid

Cerebellum Nos

Myocardium Nos

Tubule

Mesenteric Lymph Node

Metamorphosis, Fatty

Carcinoma, Nos, Invasive

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Granuloma, Nos

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Adenoma, Nos

Fibroadenoma

Carcinoma, Nos

Hemosiderosis

Follicular-Cell Carcinoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_558

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Ovary		Cyst, Parovarian
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_559

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large
Kidney

Colon

Parasitism
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos
Neoplastic Nodule
Pigmentation, Nos

Lung
Lymph node

Mediastinal Lymph Node

Inflammation, Chronic
Hemorrhage

Pituitary gland
Spinal cord
Urinary bladder

Mediastinal Lymph Node

Pigmentation, Nos
Hyperplasia, Focal
Astrocytoma
Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_560

TRT#: 1

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Lung

Thyroid

Inflammation, Chronic

Inflammation, Chronic

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_561

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Calcification, Nos
		Inflammation, Chronic
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Stomach		Acanthosis
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_562

TRT#: 1

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Lung
Mammary gland
Spleen
Stomach

Inflammation, Chronic
Inflammation, Chronic
Cystic Ducts
Hematopoiesis
Acanthosis
Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_563

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic Pigmentation, Nos
Lung		Inflammation, Chronic
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_564

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small
Kidney

Mesentery Nos

Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver
Mammary gland
Unspecified

Multiple Organs Nos
Abdominal Cavity

Hepatitis, Toxic
Cystic Ducts
Leukemia, Monocytic
Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_565

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_566

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Bone	Cortex Nos	Metamorphosis, Fatty
Eye	Sternum	Osteopetrosis Cataract
Heart	Retina	Degeneration, Nos
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Granuloma, Nos
Lung	Bile Duct	Inflammation, Chronic Leukocytosis, Nos Inflammation, Chronic Pigmentation, Nos
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node Mesenteric Lymph Node Mediastinal Lymph Node	Erythrophagocytosis Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_567

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Pigmentation, Nos

Lung

Inflammation, Chronic

Pituitary gland

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_568

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pituitary gland		Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_569

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Ovary		Cyst, Parovarian
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis
Unspecified	Groin	Fibroma
Uterus	Endometrium	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_570

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
		Galactocele
Pancreas		Atrophy, Focal
Parathyroid gland		Adenoma, Nos
Pituitary gland		Hyperplasia, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder		Hyperplasia, Epithelial
Uterus	Endometrium	Cyst, Nos
		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_571

TRT#: 1
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea Myocardium Nos	Cataract Degeneration, Nos Inflammation, Chronic Diffuse Inflammation, Chronic Diffuse
Heart		Inflammation, Chronic
Kidney		Mineralization
Liver		Leukocytosis, Nos Metamorphosis, Fatty
Lung		Granuloma, Nos Inflammation, Chronic Pigmentation, Nos
Lymph node	Renal Lymph Node	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos Angiectasis
Spleen		Hematopoiesis Hemosiderosis
Stomach		Hyperplasia, Epithelial Mineralization
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_572

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Mineralization

Liver

Pigmentation, Nos

Lung

Focal Cellular Change

Lymph node

Necrosis, Focal

Mammary gland

Mesenteric Lymph Node

Inflammation, Chronic

Spleen

Hyperplasia, Reticulum Cell

Uterus

Fibroadenoma

Hematopoiesis

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_573

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Metamorphosis, Fatty

Lung

Inflammation, Chronic

Stomach

Acanthosis

Hyperkeratosis

Unspecified

Multiple Organs Nos

Inflammation, Chronic Diffuse

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_574

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
	Cerebrum	Carcinoma, Nos, Invasive
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pituitary gland		Carcinoma, Nos
Spleen	Follicles	Atrophy, Nos
Stomach		Necrosis, Focal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_575

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos Myocardium Nos	Inflammation, Chronic Focal Neurilemoma
Kidney		Inflammation, Chronic Mineralization
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos Angiectasis
Salivary gland		Inflammation, Acute Focal
Spleen		Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Thyroid		Necrosis, Focal
Uterus		Cyst, Follicular Nos Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_576

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Pigmentation, Nos
Mammary gland		Adenoma, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Angiectasis Hematopoiesis
Uterus		Hemosiderosis Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_577

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Cataract
	Cornea	Degeneration, Nos
		Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Synechia, Posterior
Kidney		Inflammation, Chronic Focal
		Infarct, Nos
		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hemorrhage
		Hyperplasia, Focal
Stomach		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Osteopetrosis
Uterus		Endometrial Stromal Polyp
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_578

TRT#: 1

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Spleen

Unspecified

Uterus

Multiple Organs Nos

Mineralization

Leukemia, Monocytic

Cyst, Hemorrhagic

Leukemia, Mononuclear Cell

Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_579

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_580

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Adenocarcinoma, Nos
		Cystic Ducts
		Fibroadenoma
		Hyperplasia, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_581

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Bone	Skull	Osteopetrosis
	Sternum	Osteopetrosis
Intestine Large	Large Intestine, Colon	Parasitism
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Stomach		Hyperkeratosis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_582

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Metamorphosis, Fatty

Mammary gland

Inflammation, Chronic

Pituitary gland

Fibroadenoma

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_583

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Focal Cellular Change
Metamorphosis, Fatty
Necrosis, Focal

Lung
Lymph node
Mammary gland
Spleen

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Fibroadenoma
Hematopoiesis
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_584

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Hyperplasia, Tubular Cell
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Adenoma, Nos
Salivary gland		Inflammation, Acute Diffuse
Spleen		Hemosiderosis
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_585

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Esophagus
Kidney

Cortex Nos

Metamorphosis, Fatty
Hyperkeratosis
Inflammation, Chronic
Mineralization
Mixed Tumor, Malignant

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Metamorphosis, Fatty

Lung

Lymph node

Mammary gland

Pituitary gland

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Cystic Ducts
Angiectasis
Hyperplasia, Focal
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Necrosis, Focal
Hyperplasia, C Cell

Stomach

Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_586

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hematopoiesis
	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebellum Nos	Granular-Cell Tumor, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hematopoiesis
		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts
		Fibroadenoma
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Skin	Flank	Basal-Cell Carcinoma
	Tail	Fibrosarcoma
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_587

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Hemorrhage
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas		Ectopia
Unspecified	Diaphragm Nos	Hernia, Nos
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_588

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney

Myocardium Nos
Colon

Pheochromocytoma
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Mineralization

Liver
Lung

Tubule

Pigmentation, Nos
Hepatitis, Toxic
Granuloma, Nos
Inflammation, Chronic

Mammary gland
Pituitary gland

Cystic Ducts
Angiectasis

Thyroid
Unspecified
Zymbal gland

Multiple Organs Nos

Hyperplasia, Focal
Hyperplasia, C Cell
Leukemia, Monocytic
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_589

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Conjunctiva	Squamous Cell Carcinoma, Invasive
Harderian gland	Harderian Gland	Squamous Cell Carcinoma
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Thyroid		Cyst, Follicular Nos
Unspecified	Eyelid	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_590

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Axillary Lymph Node	Sarcoma, Nos, Metastatic
Mammary gland		Fibroadenoma
Salivary gland		Inflammation, Chronic Focal
Spleen		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Back	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_591

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Angiectasis Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea	Degeneration, Nos Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Mineralization Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts
Pancreas		Acinar-Cell Adenoma Ectopia
Pituitary gland	Acinus	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos Basal-Cell Carcinoma
Spleen		Hyperkeratosis Fibrosarcoma Hematopoiesis
Thyroid		Hyperplasia, Reticulum Cell
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:45
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_592

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Nephrosis, Hydro
Liver	Tubule	Pigmentation, Nos
		Focal Cellular Change
		Leukocytosis, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
		Angiectasis
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Endometrial Stromal Sarcoma, Invasive
Uterus		Endometrial Stromal Sarcoma
		Hydrometra
		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_593	TRT#: 1 DOSE: 0	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Medulla	Cortical Adenoma	
	Cortex Nos	Hyperplasia, Focal	
Eye	Retina	Metamorphosis, Fatty	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Inflammation, Chronic Diffuse	
		Inflammation, Chronic	
		Mineralization	
Liver		Tubular-Cell Adenoma	
		Focal Cellular Change	
		Granuloma, Nos	
		Pigmentation, Nos	
Lung	Alveoli	Histiocytosis	
		Inflammation, Chronic	
		Inflammation, Interstitial	
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid	
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell	
Mammary gland		Adenocarcinoma, Nos	
		Cystic Ducts	
		Fibroadenoma	
Pituitary gland		Adenoma, Nos	
Stomach		Acanthosis	
		Necrosis, Focal	
Thyroid		Hyperplasia, C Cell	
Unspecified	Multiple Organs Nos	Leukemia, Monocytic	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_594

TRT#: 1

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Kidney		Calcification, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_595

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney

Myocardium Nos
Colon

Cortical Adenoma
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Mineralization
Pigmentation, Nos
Hepatitis, Toxic
Fibroadenoma
Adenoma, Nos
C-Cell Carcinoma
Leukemia, Monocytic

Tubule

Liver
Mammary gland
Pituitary gland
Thyroid
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_596

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Cortex Nos	Necrosis, Focal
Brain	Cerebrum	Carcinoma, Nos, Invasive
Esophagus		Hyperkeratosis
Eye		Cataract
	Retina	Degeneration, Nos
		Empyema
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Carcinoma, Nos
		Cyst, Hemorrhagic
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_597

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_598

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Fibrosis, Focal

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Tongue

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_599

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Atrophy, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Atrium	Thrombosis, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Ovary		Cyst, Nos
Pancreas		Atrophy, Diffuse
Skin		Trichoepithelioma
Unspecified	Abdominal Cavity	Inflammation, Chronic Focal
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Chronic Focal
Uterus		Endometrial Stromal Polyp
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_600

TRT#: 1
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Histiocytosis
		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Galactocele
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_601

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
Kidney		Inflammation, Chronic
		Mineralization
Liver		Pigmentation, Nos
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Cyst, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_602

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hypoplasia, Nos
Esophagus		Hyperkeratosis
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	C-Cell Carcinoma, Metastatic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_603

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
	Capsule	Inflammation, Chronic Focal
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pancreas		Atrophy, Diffuse
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_604

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Granuloma, Nos

Lung

Necrosis, Focal

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Pituitary gland

Hyperplasia, Reticulum Cell

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_605

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Retina	Cataract
	Cornea	Degeneration, Nos
		Inflammation, Chronic Diffuse
		Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
Pituitary gland		Hemorrhage
Thyroid		Cyst, Follicular Nos
		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Hydrometra
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_606

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Harderian gland	Harderian Gland	Hyperplasia, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node		Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Pigmentation, Nos
	Mediastinal Lymph Node	Islet-Cell Adenoma
Pancreas	Islets	Adenoma, Nos
Pituitary gland		Hemosiderosis
Spleen		Cyst, Follicular Nos
Thyroid		Lipoma
Unspecified	Neck	Cyst, Nos
Uterus	Endometrium	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_607

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Congestion, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified		Fibrosarcoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_608

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_609

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Ovary

Cyst, Nos

Thyroid

Follicular-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Vagina

Acanthosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_610

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Necrosis, Focal
Pigmentation, Nos

Lung

Lymph node

Mammary gland

Pituitary gland

Stomach

Unspecified

Mesenteric Lymph Node

Inflammation, Chronic
Pigmentation, Nos
Adenocarcinoma, Nos
Angiectasis
Necrosis, Focal
Leukemia, Monocytic

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_611

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Pigmentation, Nos
Spleen		Hemosiderosis
Stomach		Hyperkeratosis
		Necrosis, Focal
Unspecified	Adipose Tissue	Hamartoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_612

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Malacia
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
		Necrosis, Focal
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
		Hyperplasia, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_613

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Brain
Intestine Large

Medulla
Cerebellum Nos
Cecum, Colon
Cecum, Colon

Hyperplasia, Focal
Astrocytoma
Congestion, Nos
Necrosis, Focal
Inflammation, Chronic
Mineralization

Kidney

Tubule

Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos

Liver

Lung
Lymph node

Mesenteric Lymph Node
Ileocolic Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Lymphangiectasis
Hematopoiesis
Hemosiderosis

Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_614

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Liver

Inflammation, Chronic Focal

Focal Cellular Change

Granuloma, Nos

Lung

Metamorphosis, Fatty

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Mammary gland

Hyperplasia, Reticulum Cell

Cystic Ducts

Ovary

Fibroadenoma

Pituitary gland

Cyst, Nos

Spleen

Adenoma, Nos

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_615

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Lung

Lymph node

Mammary gland

Urinary bladder

Retina

Tubule

Mediastinal Lymph Node

Hemorrhage

Cataract

Degeneration, Nos

Infarct, Healed

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Focal Cellular Change

Leukemia, Monocytic

Inflammation, Chronic

Pigmentation, Nos

Cystic Ducts

Fibroadenoma

Hyperkeratosis

Hyperplasia, Papillary

Inflammation, Chronic

Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_616

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Kidney

Calcification, Nos

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_617

TRT#: 1
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Eye	Retina	Cataract
	Cornea	Degeneration, Nos
		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Phthisis Bulbi
		Inflammation, Chronic Diffuse
		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Angiectasis
		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts
		Fibroadenoma
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Stomach		Acanthosis
		Hyperkeratosis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_618

TRT#: 1

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Calcification, Nos

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Hyperplasia, Alveolar Epithelium

Pituitary gland

Inflammation, Chronic

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_619

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Jejunum	Leiomyosarcoma
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Hyperkeratosis Inflammation, Chronic Diffuse
Uterus		Necrosis, Focal Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_620	TRT#: 1 DOSE: 0	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos Cortex Nos	Degeneration, Nos Necrosis, Focal Pheochromocytoma	
Eye	Retina	Cataract Degeneration, Nos	
Heart	Myocardium Nos	Inflammation, Chronic Diffuse	
Kidney		Inflammation, Chronic Mineralization	
Liver	Tubule	Pigmentation, Nos Hepatitis, Toxic Necrosis, Focal	
Lung		Inflammation, Chronic Pigmentation, Nos	
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node Mediastinal Lymph Node Mediastinal Lymph Node	Erythrophagocytosis Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell Pigmentation, Nos	
Mammary gland		Fibroadenoma	
Oral mucosa		Squamous Cell Papilloma	
Pituitary gland		Hyperplasia, Focal	
Preputial gland		Squamous Cell Carcinoma	
Spleen		Hematopoiesis	
Zymbal gland		Cystic Ducts	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_621

TRT#: 1
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Cornea	Inflammation, Chronic Focal
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Angiectasis Focal Cellular Change Granuloma, Nos Metamorphosis, Fatty
Lung	Mediastinal Lymph Node	Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis Pigmentation, Nos
Mammary gland		Cystic Ducts Hyperplasia, Nos
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Stomach		Inflammation, Chronic Focal Ulcer, Perforated

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_622

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Granulosa-Cell Carcinoma, Metastatic
Ovary		Granulosa-Cell Carcinoma
Uterus	Fallopian Tube	Granulosa-Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_623

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Pheochromocytoma
Calcification, Nos
Inflammation, Chronic

Pituitary gland
Unspecified

Multiple Organs Nos

Adenoma, Nos
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_624

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Bone

Kidney

Lung

Pituitary gland

Unspecified

Sternum

Multiple Organs Nos

Cortical Carcinoma

Osteopetrosis

Inflammation, Chronic

Mineralization

Hemorrhage

Inflammation, Chronic

Adenoma, Nos

Angiectasis

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_625

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Kidney

Cortex Nos

Hyperplasia, Focal
Phthisis Bulbi
Inflammation, Chronic
Mineralization

Tubule

Lung
Mammary gland
Thyroid
Unspecified
Uterus

Pigmentation, Nos
Inflammation, Chronic
Fibroadenoma
Follicular-Cell Adenoma
Leukemia, Monocytic
Endometrial Stromal Polyp

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_626

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Liver

Tubule
Bile Duct

Pigmentation, Nos
Hyperplasia, Nos
Necrosis, Focal

Lung

Lymph node

Mammary gland

Pituitary gland

Unspecified

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Fibroadenoma
Cyst, Nos
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_627

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Necrosis, Focal
Lung		Adenocarcinoma, Nos, Metastatic Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node Mediastinal Lymph Node	Congestion, Nos Hyperplasia, Lymphoid Pigmentation, Nos
Nasal cavity		Congestion, Nos
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos Axilla	Adenocarcinoma, Nos, Invasive Fibroma
Uterus		Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_628

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Medulla	Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver		Metamorphosis, Fatty
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Renal Lymph Node	Atrophy, Nos
	Renal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Renal Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Hyperkeratosis
		Inflammation, Acute/Chronic
Thyroid		Squamous Cell Carcinoma
		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_629

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Heart
Intestine Large
Kidney

Liver

Lung
Mammary gland
Ovary
Pituitary gland
Thyroid

Retina
Myocardium Nos
Colon

Tubule

Cortical Adenoma
Degeneration, Nos
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Mineralization
Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos
Necrosis, Focal
Pigmentation, Nos
Inflammation, Chronic
Fibroadenoma
Cyst, Nos
Cyst, Nos
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_630

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Hemorrhage

Thyroid

Inflammation, Chronic

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_631

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Granuloma, Nos Metamorphosis, Fatty Pigmentation, Nos
Liver		Inflammation, Chronic Hyperplasia, Nos
Lung		Adenoma, Nos
Mammary gland		Acanthosis
Pituitary gland		Necrosis, Focal
Stomach		Hyperplasia, C Cell
Thyroid		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_632

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma, Malignant

Lung

Hemorrhage

Mammary gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_633

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis Hemosiderosis
Stomach		Hyperkeratosis Inflammation, Chronic Diffuse
Unspecified	Multiple Organs Nos	Necrosis, Focal Alveolar/Bronchiolar Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_634

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Neoplastic Nodule Pigmentation, Nos
Liver		Inflammation, Chronic
Lung		Hyperplasia, Nos
Mammary gland		
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_635

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Eye	Cortex Nos	Metamorphosis, Fatty
Kidney	Retina	Degeneration, Nos Mineralization
	Tubule	Pigmentation, Nos Tubular-Cell Adenocarcinoma
Liver		Focal Cellular Change Hepatitis, Toxic Thrombus, Organized
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts Fibroadenoma Galactocele Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Angiectasis Hyperplasia, Focal
Stomach		Acanthosis Hyperkeratosis
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Cervix Uteri	Abscess, Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_636

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Angiectasis Hyperplasia, Focal Metamorphosis, Fatty Pigmentation, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver	Capsule	Inflammation, Acute Focal Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hemorrhage
Mammary gland		Cystic Ducts Galactocele
Pituitary gland		Adenoma, Nos
Salivary gland		Atrophy, Focal
Spleen	Follicles	Atrophy, Nos Hemosiderosis
Stomach		Acanthosis Hyperkeratosis
Thyroid		Ulcer, Perforated Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_637

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Salivary gland		Atrophy, Nos
		Inflammation, Chronic
Thymus		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:46
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_638

TRT#: 1
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cortical Adenoma Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea	Cataract Degeneration, Nos Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Tubular-Cell Adenoma Focal Cellular Change Granuloma, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node Mediastinal Lymph Node Mediastinal Lymph Node	Erythrophagocytosis Hyperplasia, Lymphoid Hyperplasia, Lymphoid Pigmentation, Nos
Mammary gland		Fibroadenoma Galactocele
Thyroid		Hyperplasia, Nos C-Cell Carcinoma Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_639

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos Empyema
Heart	Cornea	Inflammation, Chronic Focal
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic Leukocytosis, Nos Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts Fibroadenoma Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_640

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Calcification, Nos

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Mammary gland

Hyperplasia, Reticulum Cell

Spleen

Adenocarcinoma, Nos

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_641

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain		Carcinoma, Metastatic
		Hemorrhage
Eye	Retina	Degeneration, Nos
		Hemorrhage
Kidney		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Mammary gland		Cystic Ducts
Ovary		Cyst, Nos
Spleen		Hemosiderosis
Stomach		Edema, Nos
		Inflammation, Chronic Focal
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Carcinoma, Invasive
	Multiple Organs Nos	Inflammation, Chronic
	Back	Lipoma
Uterus	Endometrium	Cyst, Nos
Zymbal gland		Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_642

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Multifocal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_643

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Heart	Cardiac Valve	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_644

TRT#: 1
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Duodenum	Leiomyoma
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Skin		Fibrosarcoma
Spleen		Hyperplasia, Lymphoid
Thyroid		C-Cell Carcinoma
Uterus		Papillary Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_645

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Carcinoma, Nos, Invasive
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
		Hyperplasia, Diffuse
Ovary		Cyst, Nos
Pituitary gland		Carcinoma, Nos
Preputial gland		Abscess, Nos
		Adenoma, Nos
		Cystic Ducts
		Hyperplasia, Diffuse
Spleen		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_646

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Pituitary gland		Carcinoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_647

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Cortical Carcinoma
Brain	Cerebrum	Meningioma
	Meninges	Meningioma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos Leukocytosis, Nos Metamorphosis, Fatty Necrosis, Focal
Lung		Cortical Carcinoma, Metastatic Inflammation, Chronic
Pituitary gland		Cyst, Nos Hyperplasia, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Thyroid		Ulcer, Perforated
Uterus		C-Cell Adenoma Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_648

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Hyperplasia, Tubular Cell
		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hemorrhage
	Ileocolic Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Pancreas		Ectopia
Pituitary gland		Carcinoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_649

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Cyst, Hemorrhagic
Skin	Axilla	Fibroma
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Unspecified	Abdominal Cavity	Inflammation, Chronic Diffuse
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_650

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Medulla	Hyperplasia, Focal
Bone	Sternum	Hypoplasia, Nos
Eye		Cataract
	Retina	Degeneration, Nos
		Empyema
	Cornea	Inflammation, Chronic Diffuse
Kidney		Mineralization
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Focal Cellular Change
		Granuloma, Nos
Mammary gland		Metamorphosis, Fatty
		Adenocarcinoma, Nos
		Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Cyst, Nos
	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_651

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large

Colon

Fibrosis, Multifocal

Kidney

Colon

Necrosis, Focal

Liver

Inflammation, Chronic

Mineralization

Lung

Granuloma, Nos

Metamorphosis, Fatty

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Pituitary gland

Hyperplasia, Reticulum Cell

Adenoma, Nos

Spleen

Angiectasis

Cyst, Hemorrhagic

Uterus

Hemosiderosis

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_652

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain
Kidney
Liver
Pituitary gland
Stomach

Cerebrum

Hemorrhage
Inflammation, Chronic
Granuloma, Nos
Adenoma, Nos
Acanthosis
Hyperkeratosis
Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_653

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
	Cerebrum	Necrosis, Focal
Eye	Retina	Degeneration, Nos
		Hemorrhage
	Cornea	Inflammation, Chronic Diffuse
Kidney		Synechia, Anterior
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos
		Cystic Ducts
Pituitary gland		Carcinoma, Nos
Preputial gland		Cystic Ducts
		Hyperplasia, Diffuse
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_654

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Hepatitis, Toxic
Metamorphosis, Fatty

Lung
Mammary gland
Pituitary gland

Inflammation, Chronic
Cystic Ducts
Adenoma, Nos

Unspecified
Uterus

Multiple Organs Nos

Leukemia, Monocytic
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_655

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Hypoplasia, Nos

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Spleen

Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_656

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas		Ectopia
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_657

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Kidney	Papilla	Abscess, Nos
		Inflammation, Acute Focal
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Adenoma, Nos
		Hemorrhage
Preputial gland		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Cyst, Nos
	Multiple Organs Nos	Hyperplasia, Nos
	Adipose Tissue	Inflammation, Acute Focal
	Multiple Organs Nos	Inflammation, Chronic
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_658

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone
Harderian gland
Kidney

Skull
Harderian Gland

Squamous Cell Carcinoma, Invasive
Squamous Cell Carcinoma, Metastatic
Calcification, Nos
Inflammation, Chronic

Liver

Tubule

Pigmentation, Nos
Fibrosis, Focal
Necrosis, Focal

Lung
Mammary gland
Skin
Stomach

Inflammation, Chronic
Cystic Ducts
Squamous Cell Carcinoma
Acanthosis
Hyperkeratosis

Unspecified

Orbital Region

Inflammation, Chronic Focal
Squamous Cell Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_659

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Cyst, Nos
Spleen		Hemosiderosis
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_660

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_661

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Skin	Mouth	Hyperplasia, Nos
	Sebaceous Gland	Hyperplasia, Nos
Uterus		Endometrial Stromal Polyp
	Cervix Uteri	Fibrosis
	Cervix Uteri	Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_662

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Hypoplasia, Nos
	Sternum	Osteopetrosis
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Erythrophagocytosis
	Renal Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Diffuse
Preputial gland		Cystic Ducts
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_663

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Inflammation, Chronic Diffuse
		Necrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Jejunum	Mucinous Cystadenocarcinoma
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Zymbal gland		Acanthosis
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_664

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Pituitary gland

Adenoma, Nos

Unspecified

Back

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_665

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
		Pigmentation, Nos
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Ovary		Granulosa-Cell Tumor
Spleen		Hematopoiesis
		Hyperplasia, Lymphoid
Stomach		Hyperkeratosis
Thyroid		Cyst, Follicular Nos
Trachea		Abscess, Nos
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_666

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Brain	Cerebrum Cerebellum Nos	Glioma, Invasive Glioma, Nos
Eye	Retina	Degeneration, Nos
Kidney		Mineralization
Liver		Focal Cellular Change
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node	Hemorrhage Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos Fibroadenoma
Pancreas		Atrophy, Nos Ectopia Islet-Cell Carcinoma
Spleen	Islets	Hemosiderosis
Stomach		Hyperkeratosis Ulcer, Perforated
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Multiple Organs Nos Multiple Organs Nos Multiple Organs Nos	Cyst, Nos Inflammation, Chronic Leukemia, Monocytic Pigmentation, Nos
Zymbal gland		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_667

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Focal Cellular Change
Liver		Inflammation, Chronic
Lung		Angiectasis
Pituitary gland		C-Cell Carcinoma
Thyroid		Leukemia, Monocytic
Unspecified	Multiple Organs Nos	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_000

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Metamorphosis, Fatty

Lung

Inflammation, Chronic

Mammary gland

Cystic Ducts

Fibroadenoma

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Stomach

Acanthosis

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Lung

Lymph node

Nasal cavity

Renal Lymph Node

Turbinate Nos

Ganglioneuroma

Inflammation, Chronic

Hyperplasia, Lymphoid

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Renal Lymph Node	Pigmentation, Nos
Mammary gland		Abscess, Nos
		Adenocarcinoma, Nos
		Cystic Ducts
		Galactocele
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos
Metamorphosis, Fatty
Pigmentation, Nos

Lung
Lymph node
Pancreas
Pituitary gland
Spleen

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Ectopia
Hyperplasia, Focal
Hematopoiesis
Hemosiderosis
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver
Lung

Lymph node

Ovary
Unspecified

Uterus

Tubule

Mesenteric Lymph Node
Mediastinal Lymph Node

Multiple Organs Nos
Cervix Uteri

Cortical Adenoma
Inflammation, Chronic
Mineralization
Pigmentation, Nos
Hepatitis, Toxic
Hemorrhage
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Pigmentation, Nos
Cyst, Parovarian
Leukemia, Monocytic
Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Cyst, Hemorrhagic
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Mammary gland		Cystic Ducts Galactocele
Pituitary gland		Adenoma, Nos Cyst, Nos
Spleen		Necrosis, Focal
Stomach		Necrosis, Focal
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic
Uterus	Endometrium	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Small
Kidney

Cortex Nos
Atrium
Mesentery Nos

Metamorphosis, Fatty
Thrombosis, Nos
Inflammation, Chronic
Inflammation, Chronic
Mineralization

Tubule

Liver
Lung
Mammary gland

Pigmentation, Nos
Hepatitis, Toxic
Inflammation, Chronic
Cystic Ducts
Hyperplasia, Nos

Ovary
Unspecified

Multiple Organs Nos

Cyst, Nos
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung
Mammary gland
Stomach

Inflammation, Chronic
Cystic Ducts
Acanthosis
Inflammation, Chronic Focal
Necrosis, Focal
Leukemia, Monocytic

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Spleen		Hematopoiesis
Stomach		Squamous Cell Papilloma
Unspecified	Multiple Organs Nos	Endometrial Stromal Sarcoma, Invasive
Uterus		Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone	Mandible	Squamous Cell Carcinoma, Invasive
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Galactocele
Oral mucosa		Squamous Cell Carcinoma
Pancreas		Acinar-Cell Adenoma
Salivary gland		Atrophy, Focal
		Fibrosis
Stomach		Acanthosis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Sternum	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pituitary gland		Cyst, Nos
		Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Cervix Uteri	Acanthosis
	Cervix Uteri	Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Angiectasis
Inflammation, Chronic
Mineralization

Liver
Lung

Granuloma, Nos
Inflammation, Chronic
Squamous Cell Carcinoma, Metastatic

Lymph node
Mammary gland
Preputial gland

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Hyperplasia, Nos
Squamous Cell Carcinoma

Spleen
Stomach
Unspecified

Hematopoiesis
Acanthosis
Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Cataract
	Cornea	Degeneration, Nos
		Inflammation, Chronic Focal
		Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Preputial gland		Squamous Cell Carcinoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Mineralization
Liver		Pigmentation, Nos
Lung		Metamorphosis, Fatty
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Lymphoid
		Cystic Ducts
Pituitary gland		Fibroadenoma
Preputial gland		Adenoma, Nos
		Cystic Ducts
Spleen		Squamous Cell Carcinoma
Stomach		Hemosiderosis
		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Stomach

Acanthosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:46
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 10000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Angiectasis Focal Cellular Change
Liver		Inflammation, Chronic
Lung	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell Fibroadenoma
Lymph node		Squamous Cell Carcinoma
Mammary gland	Turbinate Nos	Atrophy, Focal Squamous Cell Carcinoma, Invasive
Nasal cavity		Hemosiderosis
Pancreas		Hyperplasia, C Cell
Skin	Diaphragm Nos	Hernia, Nos
Spleen	Multiple Organs Nos	Squamous Cell Carcinoma, Metastatic
Thyroid		Carcinoma In Situ, Nos
Unspecified		Hyperkeratosis Inflammation, Chronic
Zymbal gland		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Cataract
	Cornea	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Inflammation, Chronic Diffuse
Kidney		Hemorrhage
		Inflammation, Chronic
Liver		Mineralization
		Focal Cellular Change
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
Mammary gland		Hyperplasia, Reticulum Cell
		Cystic Ducts
		Fibroadenoma
		Galactocele
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Granuloma, Nos Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma Galactocele
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Calcification, Nos

Lung

Inflammation, Chronic

Mammary gland

Inflammation, Chronic

Pituitary gland

Hyperplasia, Nos

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
Kidney		Mineralization
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Necrosis, Focal
		Ulcer, Perforated
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea	Cataract Degeneration, Nos Inflammation, Chronic Diffuse Phthisis Bulbi
Harderian gland	Hardarian Gland Hardarian Gland	Atrophy, Nos Inflammation, Pyogranulomatous
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Hepatitis, Toxic Necrosis, Focal
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts Fibroadenoma Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Jejunum

Carcinoid Tumor, Malignant

Kidney

Calcification, Nos

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Stomach

Acanthosis

Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Metamorphosis, Fatty

Eye

Pheochromocytoma

Retina

Cataract

Cornea

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic Diffuse

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Leukocytosis, Nos

Pigmentation, Nos

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pancreas

Acinar-Cell Adenoma

Pituitary gland

Hyperplasia, Focal

Thyroid

C-Cell Adenoma

Unspecified

Abdominal Cavity

Embryonal Rest

Uterus

Cervix Uteri

Hyperkeratosis

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Retina

Liver

Mammary gland

Pancreas

Pituitary gland

Thyroid

Unspecified

Multiple Organs Nos

Cortical Adenoma

Degeneration, Nos

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Fibroadenoma

Ectopia

Angiectasis

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma
Unspecified		Fibrosarcoma
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Metamorphosis, Fatty
Pigmentation, Nos

Lung
Lymph node

Mandibular Lymph Node

Inflammation, Chronic
Hyperplasia, Lymphoid
Ectopia

Pancreas
Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Hyperplasia, Focal

Thyroid

Follicular-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Eye

Metamorphosis, Fatty

Kidney

Retina

Cataract

Degeneration, Nos

Liver

Tubule

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Focal Cellular Change

Lung

Pigmentation, Nos

Lymph node

Mandibular Lymph Node

Inflammation, Chronic

Mammary gland

Hyperplasia, Lymphoid

Cystic Ducts

Fibroadenoma

Galactocele

Pituitary gland

Adenoma, Nos

Spleen

Hematopoiesis

Hemosiderosis

Thyroid

C-Cell Carcinoma

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Angiectasis

Kidney

Pheochromocytoma

Liver

Calcification, Nos

Lung

Inflammation, Chronic

Mammary gland

Focal Cellular Change

Inflammation, Chronic

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Hepatocellular Carcinoma
		Neoplastic Nodule
Lung		Atelectasis
	Alveoli	Histiocytosis
		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Cyst, Nos
Spleen		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Liver

Lung

Mammary gland

Pituitary gland

Skin

Spleen

Stomach

Thyroid

Zymbal gland

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Focal Cellular Change

Granuloma, Nos

C-Cell Carcinoma, Metastatic

Inflammation, Chronic

Cystic Ducts

Hyperplasia, Focal

Abscess, Nos

Hematopoiesis

Adenomatous Polyp, Nos

C-Cell Carcinoma

Cystic Ducts

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
	Mandibular Lymph Node	Squamous Cell Carcinoma, Metastatic
Spleen		Hemosiderosis
Thyroid		C-Cell Carcinoma
		Cyst, Hemorrhagic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Mammary gland

Adenocarcinoma, Nos

Fibroadenoma

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Spleen

Hematopoiesis

Thyroid

Hyperplasia, C Cell

Uterus

Hydrometra

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Abscess, Nos
		Adenocarcinoma, Nos
		Cystic Ducts
		Hyperplasia, Nos
		Inflammation, Acute Diffuse
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Neck	Fibroma
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:46
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 10000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Granuloma, Nos
		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Hepatitis, Toxic
		Necrosis, Focal
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Focal
Calcification, Nos
Focal Cellular Change
Granuloma, Nos

Lymph node
Mammary gland
Stomach

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Fibroadenoma
Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Congestion, Nos Inflammation, Chronic
Mammary gland		Cystic Ducts Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos Angiectasis
Spleen		Hematopoiesis Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Retina

Liver

Tubule

Lung

Pancreas

Pituitary gland

Thyroid

Cortical Adenoma

Degeneration, Nos

Inflammation, Chronic Diffuse

Mineralization

Pigmentation, Nos

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Acinar-Cell Carcinoma

Adenoma, Nos

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Angiectasis
Focal Cellular Change

Lung
Lymph node
Mammary gland

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Abscess, Nos
Adenocarcinoma, Nos
Cystic Ducts
Galactocele

Pituitary gland
Preputial gland
Spleen
Stomach

Adenoma, Nos
Squamous Cell Carcinoma
Hematopoiesis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Ulcer, Perforated
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Intestine Small	Jejunum	Fibrosis, Focal
	Jejunum	Necrosis, Focal
Kidney	Cortex	Cyst, Nos
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Galactocele
Nasal cavity	Turbinates Nos	Adenocarcinoma, Nos
Pituitary gland		Adenoma, Nos
Spleen		Thrombosis, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Large Intestine, Colon	Parasitism
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Spleen		Hematopoiesis
		Hemosiderosis
		Metamorphosis, Fatty
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Fibrosis
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Cyst, Nos
Spleen		Fibrosis, Diffuse
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Epithelial
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Lung	Tubule Alveoli	Pigmentation, Nos Histiocytosis Inflammation, Chronic Inflammation, Interstitial Pigmentation, Nos
Mammary gland		Cystic Ducts Galactocele Hyperplasia, Diffuse
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Focal Metaplasia, Osseous
Unspecified	Multiple Organs Nos	Thrombosis, Nos Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Degeneration, Nos

Harderian gland

Harderian Gland

Inflammation, Chronic Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Mineralization

Liver

Focal Cellular Change

Pigmentation, Nos

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
	Atrium	Thrombosis, Nos
Kidney		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Hepatitis, Toxic
Lung		Pigmentation, Nos
Mammary gland		Inflammation, Chronic
Spleen		Cystic Ducts
		Fibrosis, Focal
		Hemosiderosis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
		Mineralization
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
		Fibroadenoma
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Tubule

Liver

Pigmentation, Nos
Focal Cellular Change
Necrosis, Focal

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Fibroadenoma

Uterus

Galactocele

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_051

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_052

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Myocardium Nos

Tubule

Liver

Lung

Mammary gland

Ovary

Pituitary gland

Spleen

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Hepatitis, Toxic

Inflammation, Chronic

Adenocarcinoma, Nos

Granulosa-Cell Tumor

Cyst, Nos

Necrosis, Focal

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_053

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Pancreas

Necrosis, Fat

Pituitary gland

Angiectasis

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_054

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Preputial gland		Squamous Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_055

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis Cortical Adenoma
	Cortex Nos	Degeneration, Nos
	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Leukocytosis, Nos
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Iliac Lymph Node	Inflammation, Acute Diffuse
	Iliac Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Hyperplasia, Focal
Preputial gland		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_056

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
		Squamous Cell Carcinoma, Invasive
Uterus	Cervix Uteri	Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_057

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Hyperplasia, Epithelial
	Cecum, Colon	Inflammation, Acute/Chronic
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Hyperplasia, Focal
Preputial gland		Cystic Ducts
		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Sarcoma
	Cervix Uteri	Endometrial Stromal Sarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_058

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus

Kidney

Liver

Lung

Lymph node

Mammary gland

Pituitary gland

Uterus

Tubule

Mesenteric Lymph Node

Cervix Uteri

Hyperkeratosis

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Granuloma, Nos

Metamorphosis, Fatty

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Cystic Ducts

Fibroadenoma

Adenoma, Nos

Acanthosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_059

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Kidney

Cortex Nos
Retina

Necrosis, Focal
Degeneration, Nos
Inflammation, Chronic
Mineralization

Liver
Mammary gland

Tubule

Pigmentation, Nos
Hepatitis, Toxic
Fibroadenoma
Galactocele

Pituitary gland
Stomach

Adenoma, Nos
Inflammation, Chronic Diffuse
Necrosis, Focal

Unspecified
Uterus

Multiple Organs Nos

Leukemia, Monocytic
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_060

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_061

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Heart

Myocardium Nos

Metamorphosis, Fatty

Kidney

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Liver

Tubule

Pigmentation, Nos

Focal Cellular Change

Metamorphosis, Fatty

Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Erythrophagocytosis

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Uterus

Cervix Uteri

Ulcer, Perforated

Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_062

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Alveolar/Bronchiolar Carcinoma
	Alveoli	Histiocytosis
		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Preputial gland		Abscess, Nos
		Cystic Ducts
		Hyperplasia, Nos
Stomach		Carcinoma, Nos
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_063

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea	Degeneration, Nos Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node Renal Lymph Node	Erythrophagocytosis Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos Fibroadenoma
Spleen		Hemosiderosis
Stomach		Acanthosis Inflammation, Chronic Diffuse
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_064

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver		Hepatitis, Toxic
		Necrosis, Focal
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_065

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Large Intestine, Colon	Parasitism
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
Pancreas		Ectopia
Pituitary gland		Cyst, Hemorrhagic
Skin		Basal-Cell Tumor
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
Unspecified	Groin	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_066

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Metamorphosis, Fatty
Pigmentation, Nos

Lung
Mammary gland

Inflammation, Chronic
Cystic Ducts
Galactocele

Pituitary gland

Hyperplasia, Nos
Angiectasis
Hyperplasia, Focal

Spleen
Stomach

Hemosiderosis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Necrosis, Focal
Ulcer, Perforated

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_067

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Abscess, Nos
		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Hyperkeratosis
Thyroid		C-Cell Adenoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_068

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Large Intestine, Colon	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
		Hyperplasia, Nos
		Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_069

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Focal Cellular Change
Liver		Hyperplasia, Nos
	Bile Duct	Hemorrhage
Lung		Inflammation, Chronic
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Ovary		Cyst, Parovarian
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_070

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Tubule

Liver
Lung
Pituitary gland
Skin
Spleen
Zymbal gland

Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic
Adenoma, Nos
Fibrosarcoma
Hematopoiesis
Cystic Ducts

Tail

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_071

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Tail	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_072

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla
Myocardium Nos

Hyperplasia, Focal
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Metamorphosis, Fatty

Lung
Lymph node
Mammary gland

Mandibular Lymph Node

Inflammation, Chronic
Hyperplasia, Lymphoid
Abscess, Nos
Adenoma, Nos
Cystic Ducts
Fibroadenoma
Adenoma, Nos
Hemosiderosis
Hyperkeratosis
Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_073

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Necrosis, Focal
		Thrombosis, Nos
Lung		Inflammation, Chronic
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Spleen		Fibrosis, Diffuse
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Inflammation, Chronic Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_074

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Harderian gland
Heart
Kidney

Harderian Gland
Myocardium Nos

Atrophy, Nos
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Mammary gland
Pituitary gland

Tubule

Pigmentation, Nos
Cystic Ducts
Adenoma, Nos
Cyst, Nos

Spleen
Thyroid
Unspecified
Uterus

Multiple Organs Nos

Infarct, Nos
Cyst, Follicular Nos
Leukemia, Monocytic
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_075

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Diffuse
Intestine Small	Duodenum	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Necrosis, Focal
Lung		Inflammation, Chronic Pigmentation, Nos
Lymph node	Ileocolic Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis Cyst, Nos
		Hyperplasia, Focal
Spleen		Hemosiderosis
		Hyperplasia, Lymphoid
Stomach		Acanthosis Hyperkeratosis
		Inflammation, Chronic Focal
		Ulcer, Perforated
Tongue		Acanthosis
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_076

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Stomach

Unspecified

Multiple Organs Nos

Metamorphosis, Fatty

Calcification, Nos

Inflammation, Chronic

Acanthosis

Hyperkeratosis

Inflammation, Chronic

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_077

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large	Cecum, Colon	Hyperplasia, Epithelial
	Cecum, Colon	Inflammation, Chronic Diffuse
	Cecum, Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Ovary		Cyst, Parovarian
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Inflammation, Chronic Focal
		Necrosis, Focal
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_078

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Hemorrhage
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_079

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Heart

Myocardium Nos

Metamorphosis, Fatty

Kidney

Inflammation, Chronic Diffuse

Inflammation, Chronic

Mineralization

Liver

Tubule

Pigmentation, Nos

Granuloma, Nos

Bile Duct

Hyperplasia, Nos

Metamorphosis, Fatty

Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Pancreatic Lymph Node

Pigmentation, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Spleen

Hematopoiesis

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_080

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Granuloma, Nos
Metamorphosis, Fatty
Pigmentation, Nos

Lung
Lymph node

Mandibular Lymph Node
Mesenteric Lymph Node
Mediastinal Lymph Node
Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Lymphoid
Hyperplasia, Reticulum Cell
Pigmentation, Nos
Pigmentation, Nos

Mammary gland
Salivary gland
Spleen
Uterus
Zymbal gland

Parotid Gland Nos

Cystic Ducts
Inflammation, Chronic Diffuse
Hematopoiesis
Endometrial Stromal Polyp
Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_081

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Stomach

Thyroid

Unspecified

Retina

Myocardium Nos

Adipose Tissue

Cortical Carcinoma

Degeneration, Nos

Phthisis Bulbi

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Focal Cellular Change

Pigmentation, Nos

Inflammation, Chronic

Fibroadenoma

Hyperplasia, Nos

Adenoma, Nos

Acanthosis

Inflammation, Chronic Diffuse

Necrosis, Focal

C-Cell Carcinoma

Cortical Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_082

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization
Metamorphosis, Fatty
Inflammation, Chronic
Cystic Ducts
Atrophy, Focal
Fibrosarcoma
Hemosiderosis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Ulcer, Perforated
Hyperplasia, C Cell
Inflammation, Acute Focal

Liver
Lung
Mammary gland
Pancreas
Skin
Spleen
Stomach

Thyroid
Unspecified

Adipose Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_083

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Adenoma, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Cyst, Follicular Nos
Unspecified	Groin	Fibroma
Uterus	Cervix Uteri	Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_084

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Endometrium	Cyst, Nos
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_085

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver
Lung

Mammary gland
Pituitary gland
Spleen

Thyroid
Unspecified

Cortex Nos
Myocardium Nos
Cecum, Colon

Multiple Organs Nos
Ear

Metamorphosis, Fatty
Inflammation, Chronic Focal
Hemorrhage
Inflammation, Chronic
Hepatitis, Toxic
Granuloma, Nos
Inflammation, Chronic
Fibroadenoma
Adenoma, Nos
Necrosis, Nos
Thrombosis, Nos
C-Cell Carcinoma
Leukemia, Monocytic
Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_086

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Hepatitis, Toxic
		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Stomach		Necrosis, Focal
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_087

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Leukocytosis, Nos

Metamorphosis, Fatty

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Mammary gland

Cystic Ducts

Fibroadenoma

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_088

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Angiectasis
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp Thrombosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_089

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Ganglioneuroma

Kidney

Pheochromocytoma, Malignant

Lung

Mineralization

Hemorrhage

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_090

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Spleen		Hemorrhage
		Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_091

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney

Cortex Nos
Mucosa, Ileum

Degeneration, Nos
Hyperplasia, Nos
Calcification, Nos
Inflammation, Chronic
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Adenoma, Nos
Hyperplasia, C Cell
Cyst, Nos

Lung
Lymph node
Pituitary gland
Thyroid
Uterus

Pancreatic Lymph Node

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_092

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Focal Cellular Change

Liver

Inflammation, Chronic

Lung

Cystic Ducts

Mammary gland

Angiectasis

Pituitary gland

Fibrosis, Diffuse

Spleen

Hyperplasia, C Cell

Thyroid

Leukemia, Monocytic

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_093

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver		Hepatitis, Toxic
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pituitary gland		Cyst, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_094

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos
Thyroid		Angiectasis Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_095

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Nos

Cortex Nos

Hyperplasia, Focal

Myocardium Nos

Metamorphosis, Fatty

Heart

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Cystic Ducts

Pancreas

Atrophy, Focal

Islets

Islet-Cell Adenoma

Pituitary gland

Adenoma, Nos

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_096

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Diffuse
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_097

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Large Intestine, Colon

Parasitism

Kidney

Calcification, Nos

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Lymph node

Pancreatic Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_098

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Cortex Nos

Hyperplasia, Focal

Eye

Metamorphosis, Fatty

Cataract

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Intestine Large

Large Intestine, Colon

Parasitism

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hemorrhage

Mammary gland

Adenocarcinoma, Nos

Cystic Ducts

Pancreas

Inflammation, Chronic Focal

Pituitary gland

Adenoma, Nos

Angiectasis

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Uterus

Endometrial Stromal Polyp

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_099

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea	Cataract Degeneration, Nos Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node Mediastinal Lymph Node	Hemorrhage Hyperplasia, Lymphoid Pigmentation, Nos
Mammary gland		Fibroadenoma Galactocele
Pituitary gland		Hemorrhage
Unspecified	Multiple Organs Nos	Endometrial Stromal Sarcoma, Invasive
Uterus		Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_100

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver

Lung
Lymph node
Mammary gland

Spleen
Stomach

Zymbal gland

Tubule

Mediastinal Lymph Node

Hematopoiesis
Inflammation, Chronic
Mineralization
Pigmentation, Nos
Hematopoiesis
Leukocytosis, Nos
Adenocarcinoma, Nos, Metastatic
Erythrophagocytosis
Adenocarcinoma, Nos
Cystic Ducts
Fibroadenoma
Galactocele
Hematopoiesis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_101

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Bone	Sternum	Osteopetrosis
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Angiectasis
		Cyst, Nos
Preputial gland		Squamous Cell Carcinoma
Skin	Eyelid Nos	Fibrosis, Focal
Spleen		Fibrosis, Multifocal
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_102

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone	Skull	Osteopetrosis
	Sternum	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Large Intestine, Colon	Parasitism
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland		Adenoma, Nos
		Cyst, Hemorrhagic
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_103

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
Spleen		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_104

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Sternum	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Spleen		Hemorrhage
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_105

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Necrotizing
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hemorrhage
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Erythrophagocytosis
	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Adenocarcinoma, Nos
Oral mucosa		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_106

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty
Eye	Retina	Cataract Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mesenteric Lymph Node	Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Cystic Ducts Fibroadenoma Hyperplasia, Nos
Pituitary gland		Adenoma, Nos Cyst, Hemorrhagic
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_107

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla
Cortex Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Alveolar/Bronchiolar Carcinoma, Metastatic
Inflammation, Chronic Focal

Heart

Kidney

Inflammation, Chronic
Mineralization

Lung

Tubule

Pigmentation, Nos
Alveolar/Bronchiolar Carcinoma
Inflammation, Chronic

Mammary gland

Fibroadenoma

Unspecified

Multiple Organs Nos

Galactocele
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_108

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung	Inflammation, Chronic
Spleen	Hematopoiesis
Uterus	Thrombosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_109

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Calcification, Nos

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Hyperplasia, Alveolar Epithelium

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Pituitary gland

Hyperplasia, Reticulum Cell

Unspecified

Multiple Organs Nos

Adenoma, Nos

Uterus

Leukemia, Monocytic

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_110

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Sternum	Osteopetrosis
Bone marrow		Hypoplasia, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
		Inflammation, Interstitial
Skin	Back	Keratoacanthoma
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Diffuse
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_111

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos
Metamorphosis, Fatty
Pigmentation, Nos

Lung
Lymph node
Mammary gland

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell

Ovary
Pituitary gland
Spleen
Thyroid

Cystic Ducts
Fibroadenoma
Cyst, Nos
Adenoma, Nos
Hematopoiesis
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_112

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Spleen		Hyperplasia, Focal
Stomach		Hemosiderosis
		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
		Ulcer, Perforated
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_113

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver		Hepatitis, Toxic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_114

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_115

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
	Cornea	Inflammation, Chronic Diffuse Synechia, Anterior
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Inflammation, Chronic
Lung	Mesenteric Lymph Node	Erythrophagocytosis
Lymph node		Cystic Ducts
Mammary gland		Granulosa-Cell Carcinoma
Ovary		Atrophy, Diffuse
Pancreas		Adenoma, Nos
Pituitary gland		Angiectasis
Spleen		Hematopoiesis
Stomach		Periarteritis
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_116

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mineralization

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Mammary gland

Mediastinal Lymph Node

Pigmentation, Nos

Cystic Ducts

Pancreas

Islets

Fibroadenoma

Hyperplasia, Focal

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_117

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Bone	Sternum Sternum	Fibrosis, Myelo Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Leukocytosis, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung	Alveoli	Histiocytosis Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mandibular Lymph Node Mandibular Lymph Node	Atrophy, Nos Edema, Nos Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Thyroid		Ulcer, Perforated C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_118

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Bone

Skull

Osteopetrosis

Sternum

Osteopetrosis

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Intestine Large

Large Intestine, Colon

Parasitism

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Stomach

Necrosis, Focal

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_119

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Necrosis, Focal
Liver		Inflammation, Chronic
Lung		Cystic Ducts
Mammary gland		Fibroadenoma
Pancreas		Pigmentation, Nos
Salivary gland		Fibrosarcoma
Spleen		Hematopoiesis
Stomach		Acanthosis Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		C-Cell Carcinoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_120

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver

Bile Duct

Hyperplasia, Nos
Metamorphosis, Fatty
Inflammation, Chronic

Lung

Mammary gland

Cystic Ducts

Pituitary gland

Spleen

Fibroadenoma

Adenoma, Nos

Hematopoiesis

Hemosiderosis

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Thyroid

Zymbal gland

C-Cell Carcinoma

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_121

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hypoplasia, Nos
Eye		Cataract
		Phthisis Bulbi
Intestine Small	Mesentery Nos	Inflammation, Acute Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Unspecified	Diaphragm Nos	Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_122

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Lung		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_123

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
	Alveoli	Histiocytosis Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts Fibroadenoma
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_124

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Kidney

Cecum, Colon

Inflammation, Acute Diffuse
Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Inflammation, Chronic

Lung
Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_125

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Degeneration, Nos Focal Cellular Change Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos Cystic Ducts Fibroadenoma
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos
Salivary gland		Fibrosis, Diffuse
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma
Unspecified		Inflammation, Pyogranulomatous
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_126

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos Focal Cellular Change
Liver		Inflammation, Chronic
Lung		Erythrophagocytosis
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
	Mediastinal Lymph Node	Cystic Ducts Fibroadenoma
Mammary gland		Cyst, Follicular Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_127

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Inflammation, Chronic Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Spleen		Granuloma, Nos Hematopoiesis Hemosiderosis
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_128

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Lymph node

Urinary bladder

Uterus

Mediastinal Lymph Node

Calcification, Nos

Metamorphosis, Fatty

Necrosis, Focal

Inflammation, Chronic

Congestion, Nos

Hyperplasia, Epithelial

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_129

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Fibrosis, Focal
		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Acute Diffuse
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		Follicular-Cell Carcinoma
Trachea		Follicular-Cell Carcinoma, Invasive
Unspecified		Follicular-Cell Carcinoma, Invasive
	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Cervix Uteri	Cyst, Nos
		Endometrial Stromal Polyp
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_130

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Mineralization

Liver

Tubule

Pigmentation, Nos

Granuloma, Nos

Bile Duct

Hyperplasia, Nos

Pigmentation, Nos

Lung

Inflammation, Chronic

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_131

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Congestion, Nos
Calcification, Nos
Inflammation, Chronic

Lung
Unspecified

Multiple Organs Nos

Inflammation, Chronic
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_132

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Mineralization

Liver

Focal Cellular Change

Granuloma, Nos

Lung

Pigmentation, Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

Galactocele

Pancreas

Atrophy, Diffuse

Pituitary gland

Adenoma, Nos

Unspecified

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_133

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Lung

Inflammation, Chronic

Mammary gland

Adenocarcinoma, Nos

Cystic Ducts

Fibroadenoma

Galactocele

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Spleen

Inflammation, Chronic Diffuse

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Uterus

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_134

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Inflammation, Chronic Focal
	Cecum, Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Ileocolic Lymph Node	Lymphangiectasis
Ovary		Granulosa-Cell Tumor
Pituitary gland		Angiectasis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_135

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change

Lung

Mammary gland

Bile Duct

Hyperplasia, Nos
Inflammation, Chronic
Adenocarcinoma, Nos
Cystic Ducts

Pituitary gland

Adenoma, Nos
Angiectasis

Spleen

Thyroid

Zymbal gland

Hemosiderosis
Hyperplasia, C Cell
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_136

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Skull	Osteopetrosis
	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_137

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Thyroid

Unspecified

Myocardium Nos

Tubule

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Pigmentation, Nos

Hepatitis, Toxic

Inflammation, Chronic

Atrophy, Diffuse

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_138

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla
Myocardium Nos

Hyperplasia, Focal
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic

Liver
Lung
Lymph node

Mesenteric Lymph Node
Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Pigmentation, Nos

Mammary gland
Pituitary gland
Spleen
Zymbal gland

Fibroadenoma
Adenoma, Nos
Hematopoiesis
Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_139

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortical Adenoma
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Hepatitis, Toxic

Lung

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell

Mammary gland

Thyroid

Fibroadenoma

Unspecified

Multiple Organs Nos

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_140

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Bone	Sternum	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Granuloma, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_141

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver		Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spleen		Hematopoiesis
Stomach		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_142

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Fibroadenoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_143

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Large Intestine, Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Mineralization
		Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Iliac Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Preputial gland		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma
Uterus	Endometrium	Papillary Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_144

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Myocardium Nos

Metamorphosis, Fatty

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Liver

Tubule

Pigmentation, Nos

Hepatitis, Toxic

Necrosis, Focal

Lung

Inflammation, Chronic

Lymph node

Pancreatic Lymph Node

Hemorrhage

Mammary gland

Mandibular Lymph Node

Hyperplasia, Lymphoid

Cystic Ducts

Fibroadenoma

Galactocele

Stomach

Acanthosis

Inflammation, Chronic Diffuse

Thyroid

Ulcer, Perforated

Unspecified

Multiple Organs Nos

C-Cell Carcinoma

Uterus

Endometrium

Leukemia, Monocytic

Cyst, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_145

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Salivary gland		Fibrosis, Diffuse
		Inflammation, Chronic
Skin	Forearm And Wrist	Squamous Cell Papilloma
Spleen		Hemosiderosis
Stomach		Acanthosis
		Cyst, Nos
		Inflammation, Chronic Focal
		Necrosis, Focal
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_146

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Thrombosis, Nos
Heart Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Leukocytosis, Nos Metamorphosis, Fatty
Lung Lymph node Ovary Pituitary gland Spleen Stomach	Mesenteric Lymph Node	Inflammation, Chronic Hyperplasia, Reticulum Cell Granulosa-Cell Tumor Adenoma, Nos Hemosiderosis Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal Ulcer, Perforated
Thyroid		Cyst, Follicular Nos Hyperplasia, C Cell
Uterus	Cervix Uteri Endometrium	Acanthosis Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_147

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Retina

Pheochromocytoma, Malignant

Degeneration, Nos

Inflammation, Chronic

Mineralization

Liver

Mammary gland

Pituitary gland

Stomach

Thyroid

Unspecified

Uterus

Zymbal gland

Multiple Organs Nos

Hepatitis, Toxic

Fibroadenoma

Adenoma, Nos

Acanthosis

Follicular-Cell Carcinoma

Leukemia, Monocytic

Endometrial Stromal Polyp

Cystic Ducts

Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_148

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic Necrosis, Focal
Lung		Inflammation, Chronic Necrosis, Focal
Mammary gland		Fibroadenoma Galactocele
Preputial gland		Squamous Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_149

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Calcification, Nos

Lung

Inflammation, Chronic

Mammary gland

Inflammation, Chronic

Spleen

Adenocarcinoma, Nos

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_150

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver
Lung
Mammary gland

Tubule

Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic
Cystic Ducts
Fibroadenoma

Pituitary gland

Cyst, Nos
Hyperplasia, Focal

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:47
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_151

TRT#: 2
DOSE: 10000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Medulla

Cortical Adenoma
Metamorphosis, Fatty
Pheochromocytoma
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Heart
Kidney

Myocardium Nos

Inflammation, Chronic

Lung
Mammary gland

Cystic Ducts
Fibroadenoma

Ovary
Pituitary gland
Stomach

Galactocele
Cyst, Nos
Adenoma, Nos

Thyroid
Unspecified

Acanthosis
C-Cell Carcinoma

Thorax
Multiple Organs Nos
Back

Fibrosarcoma
Leukemia, Monocytic
Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_152

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain	Cerebrum	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_153

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts Fibroadenoma Hyperplasia, Nos
		Adenoma, Nos
Pituitary gland		Inflammation, Acute Diffuse
Preputial gland		Squamous Cell Carcinoma
		Hematopoiesis
Spleen		Follicular-Cell Adenoma
Thyroid		Cyst, Nos
Uterus	Endometrium	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_154

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Kidney

Inflammation, Chronic

Mineralization

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pancreas

Islets

Islet-Cell Carcinoma

Pituitary gland

Angiectasis

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_155

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Mineralization

Lung
Mammary gland
Pituitary gland

Tubule

Pigmentation, Nos
Inflammation, Chronic
Fibroadenoma
Adenoma, Nos
Pigmentation, Nos

Stomach

Inflammation, Chronic Diffuse
Necrosis, Focal

Unspecified
Uterus

Multiple Organs Nos
Endometrium

Leukemia, Monocytic
Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_156

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Mineralization

Liver

Pigmentation, Nos

Lymph node

Mesenteric Lymph Node

Hepatitis, Toxic

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrium

Hyperplasia, Reticulum Cell

Leukemia, Monocytic

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_157

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Hyperplasia, Focal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	C-Cell Carcinoma, Metastatic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_158

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung		Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Erythrophagocytosis
Pituitary gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_159

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Hepatitis, Toxic
Pituitary gland		Adenoma, Nos
Spleen		Thrombosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_160

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Necrosis, Focal
Pigmentation, Nos

Mammary gland

Cystic Ducts

Fibroadenoma

Ovary

Cyst, Follicular Nos

Pancreas

Hemorrhage

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Uterus

Papillary Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_161

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Hepatitis, Toxic

Liver
Lung
Lymph node
Mammary gland

Mesenteric Lymph Node

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Cystic Ducts

Thyroid
Unspecified

Multiple Organs Nos

Hyperplasia, C Cell
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_162

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Hemorrhage Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_163

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Metamorphosis, Fatty
Necrosis, Focal

Lung

Lymph node

Pancreas

Spleen

Stomach

Mesenteric Lymph Node

Inflammation, Chronic
Erythrophagocytosis
Atrophy, Focal
Hemosiderosis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Ulcer, Perforated
Hyperplasia, C Cell
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_164

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Skin		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Endometrium	Cyst, Nos
		Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_165

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos Hemorrhage
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Granuloma, Nos Pigmentation, Nos
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_166

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Diffuse

Liver

Inflammation, Chronic

Mineralization

Lung

Congestion, Nos

Hemosiderosis

Unspecified

Chest

Inflammation, Chronic

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_167

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Lung		Granuloma, Nos Inflammation, Chronic
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_918

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Eye

Cortex Nos

Metamorphosis, Fatty

Kidney

Retina

Degeneration, Nos

Liver

Tubule

Inflammation, Chronic

Mineralization

Lung

Pigmentation, Nos

Lymph node

Mesenteric Lymph Node

Focal Cellular Change

Mammary gland

Pigmentation, Nos

Inflammation, Chronic

Pancreas

Hyperplasia, Reticulum Cell

Spleen

Cystic Ducts

Thyroid

Fibroadenoma

Hyperplasia, Nos

Atrophy, Focal

Hematopoiesis

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_919

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
Liver		Focal Cellular Change
		Metamorphosis, Fatty
		Necrosis, Focal
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
		Galactocele
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Adenoma, Nos
Spleen		Hematopoiesis
Stomach		Hyperplasia, Epithelial
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Mineralization
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_920

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteopetrosis
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Stomach		Acanthosis
		Inflammation, Chronic Focal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
		Thrombosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_921

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Skin	Chest	Neurofibrosarcoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_922

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Hyperplasia, Nos
Pituitary gland		Cyst, Nos
Salivary gland		Inflammation, Chronic
Skin	Face	Abscess, Nos
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_923

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Cataract

Kidney

Degeneration, Nos

Inflammation, Chronic

Mineralization

Lung

Tubule

Pigmentation, Nos

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Cystic Ducts

Pituitary gland

Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_924

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla
Myocardium Nos

Hyperplasia, Focal
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver
Lung
Lymph node
Pituitary gland

Mesenteric Lymph Node

Focal Cellular Change
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Adenoma, Nos
Cyst, Hemorrhagic
Hemosiderosis
C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_925

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Heart
Intestine Large
Kidney

Liver

Lung
Lymph node
Ovary
Pancreas
Pituitary gland
Preputial gland

Thyroid

Retina
Myocardium Nos
Cecum, Colon

Tubule

Mediastinal Lymph Node

Pheochromocytoma
Cataract
Degeneration, Nos
Inflammation, Chronic Focal
Hemorrhage
Inflammation, Chronic
Mineralization
Pigmentation, Nos
Focal Cellular Change
Pigmentation, Nos
Inflammation, Chronic
Pigmentation, Nos
Cyst, Nos
Atrophy, Focal
Hyperplasia, Focal
Cystic Ducts
Hyperkeratosis
Inflammation, Chronic Diffuse
Necrosis, Diffuse
Squamous Cell Carcinoma
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_926

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Metamorphosis, Fatty
Bone	Sternum	Osteopetrosis
Bone marrow		Hypoplasia, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_927

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pituitary gland		Hyperplasia, Focal
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Cervix Uteri	Acanthosis
	Endometrium	Cyst, Nos
		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_928

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Lung		Hemorrhage
Mammary gland		Hyperplasia, Nos
Ovary		Cyst, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Endometrium	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_929

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_930

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_931

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Mandible	Squamous Cell Carcinoma, Invasive
	Maxilla	Squamous Cell Carcinoma, Invasive
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pancreas		Atrophy, Focal
Pharynx		Squamous Cell Carcinoma
Salivary gland		Atrophy, Focal
Spleen		Pigmentation, Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_932

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_933

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos Hemorrhage
	Cornea	Inflammation, Chronic Diffuse Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos Fibroadenoma
		Hyperplasia, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_934

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Mammary gland

Salivary gland

Unspecified

Retina

Cornea

Myocardium Nos

Tubule

Abdominal Cavity

Pheochromocytoma, Malignant

Cataract

Degeneration, Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Focal Cellular Change

Necrosis, Focal

Inflammation, Chronic

Pheochromocytoma, Metastatic

Cystic Ducts

Inflammation, Chronic Diffuse

Mineralization

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_935

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Carcinoma, Nos, Invasive
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Pituitary gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_936

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Granuloma, Nos Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_937

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Focal Cellular Change
		Metamorphosis, Fatty
		Neoplastic Nodule
		Thrombosis, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Renal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Renal Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos
Preputial gland		Keratoacanthoma
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_938

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Kidney

Liver

Lung

Lymph node

Unspecified

Cerebrum

Medulla Oblongata Nos

Tubule

Mandibular Lymph Node

Mesenteric Lymph Node

Multiple Organs Nos

Pheochromocytoma

Astrocytoma

Astrocytoma, Invasive

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Hepatitis, Toxic

Metamorphosis, Fatty

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_939

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Lung

Inflammation, Chronic

Pituitary gland

Angiectasis

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_940

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Stomach

Inflammation, Chronic

Thyroid

Necrosis, Focal

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_941

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos
Necrosis, Nos

Lung
Lymph node
Pituitary gland
Spleen

Mesenteric Lymph Node

Inflammation, Chronic
Pigmentation, Nos
Adenoma, Nos
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_942

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Harderian gland	Harderian Gland	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis Hyperplasia, Alveolar Epithelium Inflammation, Interstitial
Mammary gland		Adenocarcinoma, Nos Hyperplasia, Nos
Spleen	Follicles	Atrophy, Nos Fibrosis, Diffuse
Stomach		Inflammation, Chronic Diffuse Necrosis, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_943

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Thyroid		Hyperplasia, C Cell
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_944

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Carcinoma, Nos, Invasive
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Angiectasis
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
Pituitary gland		Carcinoma, Nos
Stomach		Acanthosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_945

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Cortex Nos	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Preputial gland		Cystic Ducts
		Hyperplasia, Nos
Spleen		Fibrosis, Diffuse
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_946

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Myocardium Nos

Tubule

Liver

Lung

Lymph node

Mesenteric Lymph Node

Mesenteric Lymph Node

Mesenteric Lymph Node

Pancreas

Islets

Thyroid

Unspecified

Back

Uterus

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Congestion, Nos

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Pigmentation, Nos

Islet-Cell Carcinoma

C-Cell Carcinoma

Fibroma

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_947

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Focal Cellular Change

Liver

Inflammation, Chronic

Lung

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Cystic Ducts

Fibroadenoma

Thyroid

Hyperplasia, Nos

Unspecified

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_948

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Multifocal
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Salivary gland		Inflammation, Chronic
Stomach		Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_949

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Metamorphosis, Fatty
Lung	Alveoli	Histiocytosis Inflammation, Chronic Inflammation, Interstitial
Mammary gland		Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos Thrombosis, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Abdominal Cavity	Leukemia, Monocytic Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_950

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone	Mandible	Squamous Cell Carcinoma, Invasive
Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
	Cerebellum Nos	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Granuloma, Nos
		Inflammation, Chronic
Oral mucosa		Squamous Cell Carcinoma
Pituitary gland		Carcinoma, Nos
Stomach		Inflammation, Chronic Focal
		Necrosis, Focal
Thyroid		Hyperplasia, C Cell
Tooth		Squamous Cell Carcinoma, Invasive
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type
Zymbal gland		Cystic Ducts
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_951

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos Atrium	Inflammation, Chronic Diffuse Thrombosis, Nos
Kidney		Calcification, Nos
Liver		Hepatitis, Toxic
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_952

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Mineralization

Liver
Lung
Lymph node

Tubule

Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic

Mammary gland
Pancreas
Pituitary gland
Spleen
Stomach

Mesenteric Lymph Node
Mesenteric Lymph Node
Mesenteric Lymph Node

Erythrophagocytosis
Hyperplasia, Reticulum Cell
Pigmentation, Nos
Cystic Ducts
Atrophy, Focal
Cyst, Nos
Hematopoiesis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Necrosis, Focal
Cystic Follicles
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_953

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver		Hepatitis, Toxic Necrosis, Focal Pigmentation, Nos
Lung		Hemorrhage Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts Hyperplasia, Nos
Pituitary gland		Angiectasis
Spleen		Cyst, Nos Hemorrhage Inflammation, Fibrinous Necrosis, Focal
Thymus		Cyst, Multilocular
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_954

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Granuloma, Nos Leukocytosis, Nos Metamorphosis, Fatty Necrosis, Focal Pigmentation, Nos
Lung		Inflammation, Chronic Liposarcoma, Metastatic Pigmentation, Nos
Lymph node	Mesenteric Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Hyperplasia, Reticulum Cell
Skin		Acanthosis
Spleen		Hemosiderosis
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal
Thymus		Thymoma, Benign
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_955

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Mineralization
Liver		Pigmentation, Nos
Lung		Focal Cellular Change
Mammary gland		Inflammation, Chronic
		Fibroadenoma
		Galactocele
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_956

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Large Intestine, Colon	Cyst, Nos
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos
	Bile Duct	Inflammation, Chronic Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Adenoma, Nos
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
		Ulcer, Perforated
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:47
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_957

TRT#: 2
DOSE: 10000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis Pheochromocytoma
Eye	Retina	Degeneration, Nos
Intestine Large	Large Intestine, Colon	Parasitism
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos Metamorphosis, Fatty Necrosis, Focal
Lung	Alveoli	Histiocytosis Inflammation, Interstitial
Lymph node	Renal Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Lymphangiectasis
Mammary gland		Cystic Ducts Fibroadenoma Galactocele Granulosa-Cell Tumor
Ovary		Islet-Cell Adenoma
Pancreas	Islets	Adenoma, Nos
Pituitary gland		Squamous Cell Carcinoma
Preputial gland		Hematopoiesis
Spleen		Hyperplasia, Nos
Unspecified	Multiple Organs Nos Multiple Organs Nos Multiple Organs Nos	Inflammation, Chronic Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_958

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
	Cerebrum	Carcinoma, Nos, Invasive
	Cerebellum Nos	Pigmentation, Nos
Kidney		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts
		Fibroadenoma
		Hyperplasia, Nos
Pituitary gland		Carcinoma, Nos
Skin	Mouth	Acanthosis
	Mouth	Hyperkeratosis
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive
	Mediastinum Nos	Mesothelioma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_959

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Cortical Adenoma

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Esophagus

Hyperkeratosis

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Hepatitis, Toxic

Lung

Hemorrhage

Inflammation, Chronic

Mammary gland

Cystic Ducts

Fibroadenoma

Galactocele

Pancreas

Inflammation, Chronic Focal

Preputial gland

Cystic Ducts

Hyperkeratosis

Inflammation, Chronic Diffuse

Unspecified

Multiple Organs Nos

Squamous Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_960

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Erythrophagocytosis
	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Cervical Lymph Node Nos	Pigmentation, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_961

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Granuloma, Nos Pigmentation, Nos
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Pancreatic Lymph Node	Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts Fibroadenoma
Pituitary gland		Adenoma, Nos Angiectasis
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_962

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Intestine Large	Cecum, Colon	Fibrosis, Focal
	Cecum, Colon	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
		Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_963

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Tubule

Liver
Lung
Mammary gland
Spleen

Metaplasia, Osseous
Inflammation, Chronic
Mineralization
Pigmentation, Nos
Hepatitis, Toxic
Inflammation, Chronic
Cystic Ducts
Fibrosis, Focal
Hemorrhage
Inflammation, Fibrinous
Necrosis, Focal
Hyperplasia, C Cell
Leukemia, Monocytic

Thyroid
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_964

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_965

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland		Angiectasis
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_966

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

Uterus

Endometrial Stromal Polyp

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_967

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic

Mineralization

Liver

Tubule

Pigmentation, Nos

Focal Cellular Change

Necrosis, Focal

Lung

Pigmentation, Nos

Mammary gland

Inflammation, Chronic

Fibroadenoma

Galactocele

Ovary

Cyst, Nos

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_968

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Liver
Lung
Lymph node

Tubule

Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic

Mammary gland

Mesenteric Lymph Node
Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Pigmentation, Nos
Cystic Ducts
Fibroadenoma

Preputial gland
Thyroid

Galactocele
Squamous Cell Carcinoma
C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_969

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Eye

Cortex Nos

Hyperplasia, Focal

Heart

Retina

Metamorphosis, Fatty

Kidney

Myocardium Nos

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Liver

Tubule

Pigmentation, Nos

Focal Cellular Change

Granuloma, Nos

Neoplastic Nodule

Pigmentation, Nos

Lung

Inflammation, Chronic

Mammary gland

Adenocarcinoma, Nos

Fibroadenoma

Galactocele

Spleen

Hemosiderosis

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_970

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_971

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Angiectasis Focal Cellular Change Granuloma, Nos Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Islets	Atrophy, Diffuse Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Preputial gland		Hemorrhage Necrosis, Nos
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_972

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Hepatitis, Toxic Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts Fibroadenoma
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Carcinoma, Nos
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_973

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
		Galactocele
Pancreas		Atrophy, Focal
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_974

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change Necrosis, Focal
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts Fibroadenoma Galactocele
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Stomach		Acanthosis Hyperkeratosis
Uterus		Inflammation, Chronic Focal Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_975

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla
Myocardium Nos

Hyperplasia, Focal
Inflammation, Chronic Diffuse
Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos
Hepatitis, Toxic

Liver
Lung
Unspecified

Multiple Organs Nos

Inflammation, Chronic
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_976

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Adenoma, Nos Angiectasis
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_977

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Carcinoma, Nos, Invasive
Eye		Hemorrhage
	Cornea	Inflammation, Necrotizing
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Squamous Cell Carcinoma, Metastatic
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
Pituitary gland		Carcinoma, Nos
Preputial gland		Squamous Cell Carcinoma
Skin	Eyelid Nos	Squamous Cell Carcinoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_978

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
Intestine Small	Duodenum	Inflammation, Acute Focal
	Duodenum	Necrosis, Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Mammary gland		Cystic Ducts
Stomach		Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_979

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Hepatitis, Toxic
Lung		Hemorrhage
Lymph node	Mandibular Lymph Node	Inflammation, Chronic
Stomach	Mediastinal Lymph Node	Congestion, Nos Pigmentation, Nos Acanthosis Hyperkeratosis Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_980

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow
Kidney

Medulla

Hyperplasia, Focal
Hypoplasia, Nos
Inflammation, Chronic
Mineralization

Liver

Hepatitis, Toxic
Necrosis, Focal

Lung

Pigmentation, Nos
Inflammation, Chronic

Pituitary gland

Angiectasis

Stomach

Necrosis, Focal

Thyroid

Acanthosis

Unspecified

Hyperplasia, C Cell

Uterus

Multiple Organs Nos

Leukemia, Myelomonocytic

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_981

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Lymph node

Mammary gland

Pituitary gland

Spleen

Thyroid

Uterus

Retina

Cornea

Myocardium Nos

Tubule

Mandibular Lymph Node

Mesenteric Lymph Node

Pheochromocytoma

Degeneration, Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Pigmentation, Nos

Focal Cellular Change

Necrosis, Focal

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Cystic Ducts

Fibroadenoma

Adenoma, Nos

Hematopoiesis

Hemosiderosis

C-Cell Adenoma

Adenocarcinoma, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_982

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Intestine Small	Duodenum	Inflammation, Chronic Focal
	Duodenum	Ulcer, Perforated
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos Necrosis, Focal Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma Galactocele
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis Hemosiderosis
Stomach		Acanthosis
Thyroid		C-Cell Adenoma
Unspecified	Flank	Fibroma
Uterus	Cervix Uteri	Abscess, Nos
	Cervix Uteri	Acanthosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_983

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Preputial gland		Adenoma, Nos Cystic Ducts
Spleen		Inflammation, Acute Diffuse Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Thyroid		Ulcer, Perforated
Zymbal gland		C-Cell Carcinoma Cystic Ducts

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_984

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal
	Islets	Hyperplasia, Focal
Spleen		Fibrosis, Diffuse Hemorrhage
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 17:47:47
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_985

TRT#: 2
DOSE: 10000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Spleen		Pigmentation, Nos
Stomach		Hemosiderosis
		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_986

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Nos
Bone	Sternum	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_987

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Kidney

Cecum, Colon

Inflammation, Acute Focal
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Granuloma, Nos
Necrosis, Focal
Neoplastic Nodule
Pigmentation, Nos

Lung
Lymph node

Mandibular Lymph Node
Mesenteric Lymph Node
Pancreatic Lymph Node

Inflammation, Chronic
Hyperplasia, Lymphoid
Hyperplasia, Reticulum Cell
Hyperplasia, Reticulum Cell

Mammary gland
Pancreas
Pituitary gland
Spleen
Unspecified
Uterus

Acinus

Fibroadenoma
Hyperplasia, Focal
Adenoma, Nos
Hematopoiesis
Leukemia, Monocytic
Leiomyoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_988

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Cortical Adenoma
	Cortex Nos	Hyperplasia, Focal
Brain	Cerebrum	Metamorphosis, Fatty
Heart	Myocardium Nos	Necrosis, Focal
Kidney		Inflammation, Chronic Diffuse
		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
Lung		Adenocarcinoma, Nos, Metastatic
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
		Galactocele
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Thyroid		Cyst, Follicular Nos
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_989

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Lung		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_990

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Kidney

Colon

Parasitism
Inflammation, Chronic
Mineralization

Liver

Tubule

Pigmentation, Nos
Focal Cellular Change
Metamorphosis, Fatty

Mammary gland
Pituitary gland

Fibroadenoma
Adenoma, Nos

Unspecified

Multiple Organs Nos

Angiectasis
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_991

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone	Rib	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Brain	Cerebrum	Hemorrhage
	Cerebrum	Inflammation, Acute Focal
	Cerebrum	Necrosis, Focal
Eye		Inflammation, Acute
		Phthisis Bulbi
Harderian gland	Hardarian Gland	Abscess, Nos
Kidney		Mineralization
Liver		Angiectasis
		Hematopoiesis
		Metamorphosis, Fatty
Lymph node	Pancreatic Lymph Node	Hematopoiesis
	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Nos
Nasal cavity	Turbinate Nos	Abscess, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_992

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Mammary gland

Bile Duct

Inflammation, Chronic

Focal Cellular Change

Hyperplasia, Nos

Inflammation, Chronic

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_993

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Sternum	Osteopetrosis
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Spleen		Necrosis, Focal
Stomach		Acanthosis
		Hyperkeratosis
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_994

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change Granuloma, Nos Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cyst, Nos
Pancreas		Atrophy, Focal
Pituitary gland		Carcinoma, Nos
Spleen		Hematopoiesis Hemosiderosis
Uterus	Cervix Uteri	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_995

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Degeneration, Nos
Inflammation, Chronic
Mineralization

Tubule

Liver
Lung
Lymph node

Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Pigmentation, Nos

Pituitary gland
Spleen
Stomach

Mesenteric Lymph Node
Mediastinal Lymph Node

Adenoma, Nos
Hemosiderosis
Acanthosis
Inflammation, Chronic Diffuse
Necrosis, Focal

Thyroid
Uterus

Endometrium

C-Cell Adenoma
Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_996

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mineralization

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Mammary gland

Cystic Ducts

Pituitary gland

Angiectasis

Thyroid

Cyst, Follicular Nos

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Uterus

Cervix Uteri

Leukemia, Monocytic

Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_997

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Carcinoma, Nos, Invasive
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pituitary gland		Carcinoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Cervix Uteri	Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_998

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:47:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_999

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis Inflammation, Chronic
Mammary gland		Fibroadenoma
Preputial gland		Squamous Cell Carcinoma
Skin	Eyelid Nos	Abscess, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE